

**DEVICES AND METHODS FOR SIMULTANEOUS BATTERY CHARGING
AND DATA TRANSMISSION IN A MOBILE TERMINAL**

ABSTRACT OF THE DISCLOSURE

Devices, systems and methods are provided for simultaneous battery charging and data transfer in a mobile terminal. The invention utilizes power line communication networks to transfer data between a mobile terminal and other remote digital devices. As
5 such, the present invention can provide data transfer to and from the mobile terminal while the mobile terminal is undergoing requisite battery charging.